

Amendments to and Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 10-57 and 65-68 as follows:

1. (Original) An ionization system for a predefined area comprising:
 - (a) a plurality of emitter modules spaced around the area, each emitter module having an individual address and including at least one electrical ionizer;
 - (b) a system controller for individually addressing and monitoring the emitter modules; and
 - (c) communication lines for electrically connecting the plurality of emitter modules with the system controller.
2. (Original) A system according to claim 1 wherein each of the emitter modules further includes means for transmitting alarm condition information related to at least one operating parameter of the electrical ionizer via the communication lines, the alarm condition information including the emitter module address, the system controller receiving the alarm condition information.
3. (Original) A system according to claim 2 wherein the operating parameter is the status of a positive or negative emitter.
4. (Original) A system according to claim 2 wherein the operating parameter is an ion imbalance condition.

5. (Original) A system according to claim 1 wherein the communication lines are connected in a daisy-chain manner to each of the emitter modules, the communication lines providing both (i) communication, and (ii) power to the emitter modules.

6. (Original) A system according to claim 1 wherein each emitter module further includes a stored balance reference value, and the system controller includes means for individually monitoring the stored balance reference value of each emitter module.

7. (Original) A system according to claim 1 wherein each emitter module further includes a stored ion output current reference value, and the system controller includes means for individually monitoring the stored ion output current reference value of each emitter module.

8. (Original) A system according to claim 1 further comprising:

(d) a remote control transmitter having an emitter address setting and a balance adjustment function, each emitter module further including a stored balance reference value and a remote control receiver electrically connected to the balance reference value and responsive to the remote control transmitter, wherein the remote control transmitter allows the balance reference value of each emitter module to be individually adjusted.

9. (Original) A system according to claim 1 further comprising:

(d) a remote control transmitter having an emitter address setting and an ion output current adjustment function, each emitter module further including a stored ion output current reference value and a remote control receiver electrically connected to the ion output current reference value and responsive to the remote control transmitter,

wherein the remote control transmitter allows the ion output current reference value of each emitter module to be individually adjusted.

10-57 (Cancelled)

58. (Previously presented) An ionization system for a predefined area comprising:

(a) a plurality of emitter modules spaced around the area, each emitter module having a receiver, an individual address and at least one operational setting, and each emitter module including at least one electrical ionizer; and

(b) a remote control having an emitter address setting and a transmitter, the remote control transmitter individually addressing each emitter module to make remote adjustments to the at least one operational setting of each emitter module by communicating through the receiver of each emitter module.

59. (Previously presented) The ionization system according to claim 58, wherein the at least one operational setting includes one of an output mode, an output level, an output offset, an output gain, an output balance and a calibration setting.

60. (Previously presented) The ionization system according to claim 58, wherein the at least one operational setting includes an output mode, the output mode being one of steady-state direct current (DC) and pulsed DC.

61. (Previously presented) The ionization system according to claim 58, wherein individual address of each emitter module is locally settable at the emitter module.

62. (Previously presented) The ionization system according to claim 58, wherein the transmitter and the receiver of each emitter module communicate by one of radio frequency (RF) and infrared (IR).

63. (Previously presented) An ionization system for a predefined area comprising:

(a) a plurality of emitter modules spaced around the area, each emitter module having an individual address, at least one electrical ionizer and at least one operation setting;

(b) a receiver electrically coupled to the plurality of emitter modules; and

(c) a remote control having an emitter address setting and a transmitter, the remote control transmitter individually addressing each emitter module to make remote adjustments of the emitter modules by communicating through the receiver.

64. (Previously presented) An ionization system comprising:

(a) an emitter module having at least one electrical ionizer, an individual address and at least one operational setting;

(b) at least one receiver electrically coupled to the emitter module; and

(c) a remote control having an emitter address setting and a transmitter, the remote control transmitter addressing the emitter module to remotely adjust the at least one operational setting of the emitter module by communicating through the receiver.

65-68 (Cancelled)